

IN THE CLAIMS:

Claims 1-21 (Cancelled)

22. (Original) A method for assembling a rotating machine, the rotating machine comprising a plurality of conductive rotor bars spaced from a rotating shaft, each of the plurality of conductive rotor bars having a first and second end, at least one of the plurality of conductive rotor bars having at least one internal conduit extending from its first to second end; a first end plate having a first bore in which the rotating shaft is sealingly fixed, the first end plate further having means for sealingly fixing the first end of each conductive rotor bar having the at least one internal conduit thereto, the first end plate having fluid flow means for providing fluid flow to the first end of the internal conduit; and a second end plate having a second bore in which the rotating shaft is sealingly fixed, the second end plate further having means for sealingly fixing the second end of each conductive rotor bar having the at least one internal conduit thereto, the second end plate further having fluid flow means providing fluid flow from the second end of the internal conduit, the method comprising the steps of:

assembling the plurality of conductive rotor bars to the at least one intermediate member and the first end of each conductive rotor bar having the at least one internal conduit to the first end plate;

heating the top region of a molten salts bath such that the top region is maintained at a normal brazing temperature;

only immersing the first end plate and the first ends of the plurality of conductive rotor bars into the top region of the molten salts bath;

salts brazing the first end of each conductive rotor bar having the at least one internal conduit to the first end plate;

either before or after the salts brazing of the first end of each conductive rotor bar having the at least one internal conduit, assembling the second end plate to the second end of each rotor bar having the at least one internal conduit to the second end plate;

only immersing the second end plate and the second ends of the plurality of rotor bars into the top region of the molten salts bath; and

salts brazing the second end of each conductive rotor bar having the at least one internal conduit to the second end plate.

23. (Currently Amended) The method of claim ~~[[12]]~~ 22, wherein the fluid flow means of the first and second end plates comprises a third and fourth internal conduit, respectively, wherein the method further comprising the steps of:

providing each of the first and second end plates with an access groove disposed in a fluid path of the third and fourth internal conduits, respectively, for facilitating the fabrication of the third and fourth internal conduits; and

sealingly covering each access groove with a cover plate.

24. (Original) The method of claim 23, wherein the immersion steps further include the immersion of a respective cover plate and wherein the salts brazing steps include the brazing of the cover plates to the respective end plates to sealingly cover the access grooves therein.

25. (Original) The method of claim 22, further comprising the step of assembling the first and second end plates to the rotating shaft.

26. (Original) The method of claim 25, wherein the assembling of the first and second end plates to the rotating shaft comprises the steps of:

heating each of the first and second end plates so as to expand the diameter of the first and second bores therein; and/or

cooling the rotating shaft so as to

decrease the diameter thereof; and

normalizing the temperatures of the first

and second end plates and/or the rotating shaft such that the first and second end plates are shrink fit to the rotating shaft.